

ABSTRACT

There is provided an address translator having the functions to prevent, in the communications via the address translation, transmission of packets having no correct
5 destination and transmission source addresses which will cause troubles in the networks and to urge an administrator take adequate measures for reception of the relevant packets. This address translator stores discriminator to discriminate temporary addresses. Moreover, when the
10 original address is registered as the temporary address at the time of assignment of the temporary address of the receiving side host started when the name solution is performed, assignment is rejected to prevent transmission of packet from the transmitting side host by returning a
15 response for name solution error to the transmitting side host. In addition, when transmission source address before translation and destination address after translation are registered as the temporary address, the received packet is discarded. Moreover, assignment of the temporary address
20 is rejected and the packet is discarded, a message is transmitted to an alarm device or external host to notifying the event to an administrator.